

## WHAT IS CLAIMED IS:

- 1                   1.       A system for retrieving search results from a plurality of databases,  
2 comprising:  
3                   an interface configured to receive search information; and  
4                   a plurality of translators configured to retrieve search results from said  
5 plurality of databases respectively based on said search information;  
6                   wherein each of said plurality of translators formulates a search request using  
7 said search information and syntax and protocol information specific to its corresponding  
8 database; and  
9                   wherein said plurality of translators use said respective search requests to  
10 retrieve said search results from their corresponding databases in a concurrent manner.
- 1                   2.       The system of claim 1 further comprising:  
2                   a control engine configured to forward said search information to said  
3 plurality of translators and to consolidate said search results retrieved by said plurality of  
4 translators.
- 1                   3.       The system of claim 2 wherein said search results consolidated by said  
2 control engine are passed to said interface for display to a user.
- 1                   4.       The system of claim 2 wherein said search results consolidated by said  
2 control engine are passed to said interface for further processing.
- 1                   5.       The system of claim 3 wherein said consolidated search results are  
2 formatted using a markup language.
- 1                   6.       The system of claim 5 wherein said markup language is selected from  
2 a group consisting of HTML, DHTML and XML.
- 1                   7.       The system of claim 1 wherein each of said translators is further  
2 configured to perform one or more authorization steps so as to communicate with its  
3 corresponding database.
- 1                   8.       The system of claim 1 wherein at least one or more of said plurality of  
2 databases are Web-accessible.

1                   9.     The system of claim 8 wherein at least one or more of said plurality of  
2 databases are locally accessible.

1                   10.    The system of claim 1 wherein each of said plurality of translators  
2 communicates with its corresponding database using an interface protocol.

1                   11. The method of claim 10 wherein said interface protocol is selected from a  
2 group consisting of HTTP, telnet, Z39.50 and ODBC.

1                   12.    The system of claim 1 wherein said interface is implemented using a  
2 Web browser; and  
3                   wherein said interface receives said search information from a user.

1                   13.    The system of claim 1 wherein said system is implemented using  
2 computer software.

1                   14.    A system for retrieving search results from a plurality of databases,  
2 comprising:  
3                   a user interface configured to receive search information entered by a user;  
4                   a plurality of translators, wherein each translator is configured to communicate  
5 with a corresponding database so as to allow a search to be performed in said corresponding  
6 database; and  
7                   a control engine configured to forward said search information to said  
8 plurality of translators, wherein each translator uses said search information and protocol  
9 information specific to its corresponding database to formulate a search request to effectuate  
10 said search;  
11                  wherein said plurality of translators use said respective search requests to  
12 effectuate said respective searches and retrieve said search results from said plurality of  
13 databases in a concurrent manner.

1                   15.    The system of claim 14 wherein said control engine is further  
2 configured to consolidate said search results retrieved from said plurality of databases.

1                   16.    The system of claim 14 wherein each translator is further configured to  
2 perform one or more authorization steps so as to communicate with its corresponding  
3 database.

1                   17.     The system of claim 14 wherein said search results consolidated by  
2     said control engine are passed to said user interface for display to a user or returned to a  
3     calling program.

1                   18.     The system of claim 17 wherein said consolidated search results are  
2     formatted using a markup language.

1                   19.     The system of claim 18 wherein said markup language is selected from  
2     a group consisting of HTML, DHTML and XML.

1                   20.     The system of claim 14 wherein at least one or more of said plurality  
2     of databases are Web-accessible.

1                   21.     The system of claim 20 wherein at least one or more of said plurality  
2     of databases are locally accessible.

1                   22.     The system of claim 14 wherein each of said plurality of translators  
2     communicates with its corresponding database using an interface protocol.

1                   23.     The system of claim 22 wherein said interface protocol is selected  
2     from a group consisting of HTTP, telnet, Z39.50 and ODBC.

1                   24.     A method for retrieving search results from a plurality of databases,  
2     comprising:

3                   receiving search information from a user or a user agent;

4                   formulating a plurality of search requests using said search information and  
5     database syntax and protocol information, wherein each search request is recognizable by a  
6     corresponding database;

7                   executing said plurality of search requests in their corresponding databases in  
8     a concurrent manner;

9                   returning search results from said plurality of databases after execution of said  
10     plurality of search requests; and

11                  consolidating said search results for display to the user or the user agent.

1                   25.     The method of claim 24 further comprising:

communicating said plurality of search requests to their corresponding  
databases using an interface protocol.

26. The method of claim 25 wherein said interface protocol is selected  
from a group consisting of HTTP, telnet, Z39.50 and ODBC.

27. The method of claim 24 further comprising:  
formatting said consolidated search results using a markup language.

28. The method of claim 27 wherein said markup language is selected  
from a group consisting of HTML, DHTML and XML..

29. The method of claim 24 further comprising:  
performing one or more authorization procedures respectively in said plurality  
of databases in a concurrent manner.

30. The method of claim 24 wherein at least one or more of said plurality  
of databases are Web-accessible.

31. The method of claim 30 wherein at least one or more of said plurality  
of databases are locally accessible.

32. A method for retrieving search results from a plurality of databases,  
comprising:  
receiving search information from a user;  
generating a plurality of search requests using said search information and  
database syntax and protocol information, wherein each search request is tailored to be  
understood by a corresponding database;  
retrieving search results from said plurality of databases in a concurrent  
manner pursuant to said plurality of search requests; and  
consolidating said search results.

33. The method of claim 32 further comprising:  
performing one or more authorization procedures respectively in said plurality  
of databases in a concurrent manner.

34. The method of claim 32 further comprising:

communicating said plurality of search requests to their corresponding  
databases using an interface protocol.

35. The method of claim 34 wherein said interface protocol is selected  
from a group consisting of HTTP, telnet, Z39.50 and ODBC.

36. The method of claim 32 further comprising:  
formatting said consolidated search results using a markup language.

37. The method of claim 36 wherein said markup language is selected  
from a group consisting of HTML, DHTML and XML.

38. The method of claim 32 further comprising:  
presenting the consolidated search results to the user or a user agent.

39. The method of claim 32 wherein at least one or more of said plurality  
of databases are Web-accessible.

40. The method of claim 39 wherein at least one or more of said plurality  
of databases are locally accessible.

41. A computer-readable medium having program code configured to  
retrieve search results from a plurality of databases, said program code comprising:  
a program code segment configured to receive search information from a user;  
a program code segment configured to formulate a plurality of search requests  
using said search information and database syntax and protocol information, wherein each  
search request is recognizable by a corresponding database;  
a program code segment configured to perform one or more authorization  
procedures respectively in said plurality of databases in a concurrent manner;  
a program code segment configured to execute said plurality of search  
requests in their corresponding databases in a concurrent manner;  
a program code segment configured to return search results from said plurality  
of databases after execution of said plurality of search requests; and  
a program code segment configured to consolidate said search results for  
display to the user.